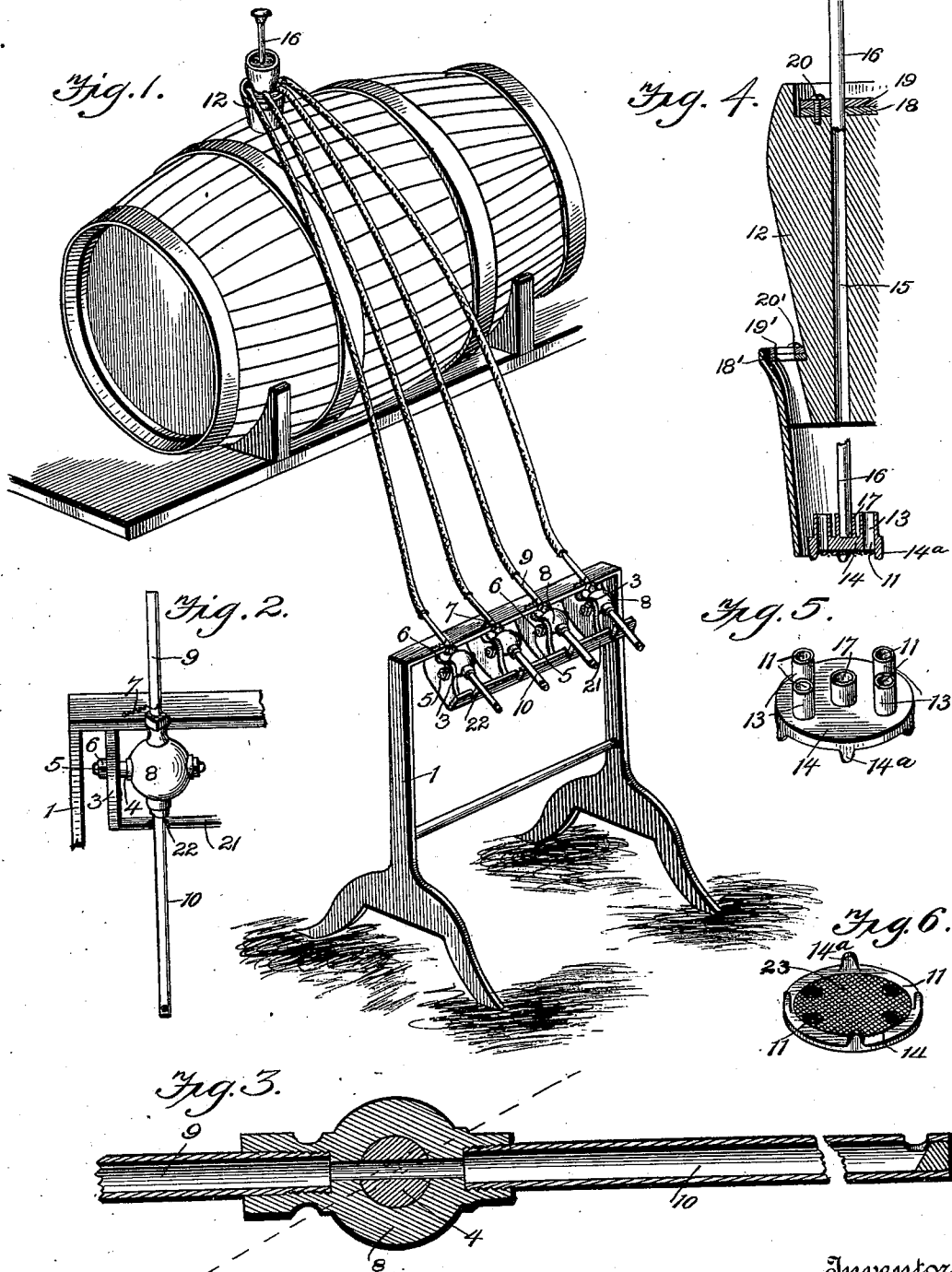


(No Model)

H. WANK.
BEER BOTTLING APPARATUS.

No. 582,769.

Patented May 18, 1897.



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY WANK, OF PORTLAND, OREGON.

BEER-BOTTLING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 582,769, dated May 18, 1897.

Application filed June 30, 1896. Serial No. 597,638. (No model.)

To all whom it may concern:

Be it known that I, HENRY WANK, a citizen of the United States, residing at Portland, in the county of Multnomah and State of Oregon, have invented a new and useful Beer-Bottling Apparatus, of which the following is a specification, reference being had to the accompanying drawings as a part thereof.

My invention relates to apparatus designed for drawing the beer in a keg into bottles; and the object of my invention is to provide means for siphoning the liquid in the barrel directly into the bottle without exposing the beer to the air to any extent, which usually deteriorates the quality of the beer, and to reduce the escape of gas in the beer to a minimum.

The construction and operation of my apparatus are as seen from the accompanying drawings above referred to, the figures in which represent as follows:

Figure 1 is a perspective view of my apparatus, showing the same when ready for use. Fig. 2 is a top view of one of the delivery-pipes and its automatic stop-cock. Fig. 3 is a longitudinal sectional view of one of such delivery-pipes and its stop-cock, the same being shown as open and the broken slanting line indicating the normal position of the delivery-tube when the stop-cock is closed. Fig. 4 is a partial vertical section of the bung or tap used by me in connection with my invention; and Figs. 5 and 6 are perspectives of the upper and under sides of the removable disk contained in the under end of such bung, to which the ends of the siphon-tubes are secured, as hereinafter explained.

The numbers indicate the parts referred to. The stand 1 is provided with a rack comprising a series of cross-pieces provided with ears 3, to which the plug 4 of the stop-cock 8 is rigidly secured. This is done by inserting the threaded pin 5, extending from the plug 4, through the ear and securing the same by means of a nut 6. The plug is stationary, the depression of the pipe opening the ports of the stop-cock. The stop-cock is kept in its normal closed position by means of a coil-spring 7. The stop-cock is provided with receiving and delivery pipes 9 10. To the

receiving-pipe 9 is attached the lower end of a rubber tube, the upper end of which is inserted in one of the series of apertures 11 in the bung and attached to one of the nipples 13, the apertures in which nipples extend through the disk 14. This arrangement is repeated with respect to each of the delivery-pipes. The bung 12 has a vertical central aperture 15 to receive a rod 16, the lower end of which is inserted in the socket 17 on the disk. Such disk fits loosely in the under open end of the bung and is driven with the latter into the barrel when tapping the same. The barrel being tapped with the bung 12 with all the siphon-tubes properly arranged and connected, as explained, the rod 16 is inserted in the opening 15, and after the foot of such rod has been inserted in the socket 17 the rod, and with it the disk 14 and tubing connected thereto, is driven to the bottom of the barrel, the disk resting on the little pins or lugs 14^a to permit the liquid to reach the openings in such disk. The apertures 11 and 15 in the bung for the siphon-tubes and the rod 16 are rendered air-tight by means of a rubber washer 18 18', provided with a hole or holes to receive the tubes or rod, and a plate 19 19', with a corresponding hole or holes, screwed tightly down upon such rubber washer by set-screws 20 20', causing the rubber washer to spread and pack tightly against the tubes or rod.

The cross-piece 21 of the rack is provided with yokes 22 to hold the bottle by its neck. The delivery-pipes in Fig. 3 show the opening at the discharge end to be on the side.

The delivery-pipe should be of sufficient length to reach nearly to the bottom of the bottle.

The bottom of the disk 14 has a strainer 22 to keep out foreign matter.

Having described my invention, I claim—

1. In a bottling apparatus, the combination with delivery-tubes, of a tap or bung apertured to permit the insertion of said delivery-tubes, means for packing the tubes airtight therein, and a device provided within said bung or tap to which the receiving ends of the delivery-tubes may be attached, for pushing said tube ends to the bottom of the barrel, substantially as described.

2. In a bottling apparatus, the combination with delivery-tubes, of a tap or bung to receive and by which to insert said tubes into the barrel, means for packing said tubes air-tight in said tap or bung, a disk provided with a series of nipples on which to attach the receiving end of the delivery-tubes, and a rod for pushing said disk and tube ends to the bottom of the barrel, said tap or bung being suitably apertured to receive said disk, substantially as described.

3. In a siphon bottling apparatus, a suitable support with an automatically-closing delivery-pipe, pivotally attached thereto, such delivery-pipe being adapted to be closed when in its normal position, and to open when the discharge end thereof is depressed, and means for retaining the delivery-pipe in its normal position, until depressed; and siphon-tubes attached to the receiving end of such delivery-pipes, in combination with a tap, or bung, having a series of apertures at the side thereof through which the siphon-tubes are inserted, means for packing the tubes air-tight in such apertures, and a device provided within such bung, or tap, to which the receiving ends of the siphon-tubes are attached,

for pushing such tube ends to the bottom of the barrel, substantially as set forth.

4. In a siphon bottling apparatus, a tap, or bung, to receive, and by which to insert, the siphon-tubes into the barrel, such bung having a series of apertures at the side thereof to receive the siphon-tubes, means for packing such tubes air-tight in such apertures; the under end of such bung being hollow and having loosely, and removably fitting therein a disk, as 14, provided with a series of nipples on which to attach the receiving ends of the siphon-tubes, and a sieve to keep out foreign matter; lugs, or feet being provided at the under side of the disk to keep the same off the bottom of the barrel, to give the liquid access to the ends of the siphon-tubes; and a vertical opening through the center of the bung, and a rod inserted therein to push the disk and attachments to the bottom of the barrel.

In testimony whereof I have hereunto set my hand on this 8th day of June, 1896.

HENRY WANK.

Witnesses:

E. D. TIMMS,
T. J. GEISLER.